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## Abstract

2       Role based authorization in a service control manager (SCM) module may allow a system  
3       administrator to delegate responsibility to other users by assigning tool based roles to these users on  
4       some system so they have full access to such system. To ensure system security, after receiving a  
5       request from a user to run a tool on a set of target nodes, an SCM security manager may need to check  
6       whether the user is authorized to run the tool on the target nodes. For every target node requested, the  
7       security manager may need to check whether the user is authorized on the node, and whether the user  
8       is authorized for one of the tool's enabled roles on the node. If the user is not authorized on each of  
9       the nodes requested, or is not authorized for any of the tool's enabled roles, the tool is not runnable by  
10      the user.

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DO NOT DISTRIBUTE